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Showcasing research from Dr. Faizan Saleem, Dr. Herb Schellhorn and Dr. Tom Edge of the MacWater Research Initiative at McMaster University, Hamilton, Ontario, Canada (www.macwater.org).

eDNA metabarcoding-based source attribution of fecal indicator bacteria exceedances in urban freshwater beaches, sand and rivers

eDNA metabarcoding and microbial source tracking digital PCR methods were applied to identify fecal contamination sources at four urban Lake Ontario beaches. Combined use of MST and eDNA methods provided a more comprehensive characterization of potential fecal contamination sources, including diverse wildlife species, that can guide targeted beachspecific water monitoring and risk management strategies.

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